

HEAT EXCHANGER

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ABSTRACT OF THE DISCLOSURE

10 A heat exchanger is disclosed, in which a plurality
of sets of two louvres (111c) substantially triangular in
shape are formed in such a manner that the distance from
a flat plate portion (111a) increases progressively
downstream in an EGR gas flow. The two louvres (111c) of
each set are arranged inwardly slanted along the exhaust
gas flow, so that a vertical swirl is generated to draw
15 the EGR gas flow between the louvres (111c). The EGR gas
flowing in the vicinity of the flat plate portion (111a)
and the EGR gas flowing in the vicinity of a vertical
plate portion (111b) are thus accelerated. As a result,
the heat conductivity of the EGR gas and the fins (111)
20 are improved and the particulate matter attached on the
surface of the fins (111) can be blown off, thereby
preventing the clogging of the fins (111).

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